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M/EB 64/65  
26 February 1965  
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MEMORANDUM FOR: Chief, Manufacturing and Services Division, ORR

ATTENTION: [redacted] Construction Branch

THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS

FROM: Chief, Photographic Intelligence Division, CIA

SUBJECT: Type IIID ICBM Silo Dimensions

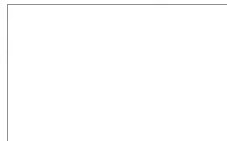
REFERENCE: (a) Requirement C-RR5-82,276  
(b) CIA/PID Project 30283-5

1. This memorandum is in response to your requirement dated 12 February 1965 which requests mensural data on the Type IIID ICBM silos which have been identified in the USSR at Olovyannaya, Gladkaya, Drovyannaya, Tatishchevo, and Tyuratam Missile Test Center.

2. The best coverage obtained to date of this type silo is from KH-7 material, KEYHOLE [redacted] (January 1965), over the two launch groups of ten silos each at Olovyannaya ICBM Complex. Mensuration of this material revealed that the silos are circular in shape and have an inner [redacted] an outer diameter of 35 feet and a wall thickness [redacted]. A protuberance extends from the outer wall of the silo on an azimuth 335 degrees from the center of the silo and measures [redacted]. These measurements were made on excellent coverage of four separate silos in a mid stage of construction.

3. Covers on five of the backfilled silos were measured and were found to be an average of approximately [redacted]. It is estimated by the CIA/PID analyst that these covers are about [redacted]. It should be pointed out that these items may not be the final silo door but may be temporary environmental shelters placed over the silo aperture. This is believed to be possible because of the wide variation in measurements of the covers and the difficulty in discerning the image edges. Actual measurements of the covers are as follows.

- a. Olovyannaya Site D-1
- b. Olovyannaya Site D-5
- c. Olovyannaya Site D-8
- d. Olovyannaya Site D-7
- e. Olovyannaya Site D-10



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4. All horizontal measurements have been made by the NPIC Technical Intelligence Division. Those of the silos are considered to be accurate while the confidence limits on measurements of the covers are plus or minus 5 feet.

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6. This project is considered to be complete.

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## Enclosure:

One scale drawing with dimensions  
(CIA/PID/MEB-P-103/65)

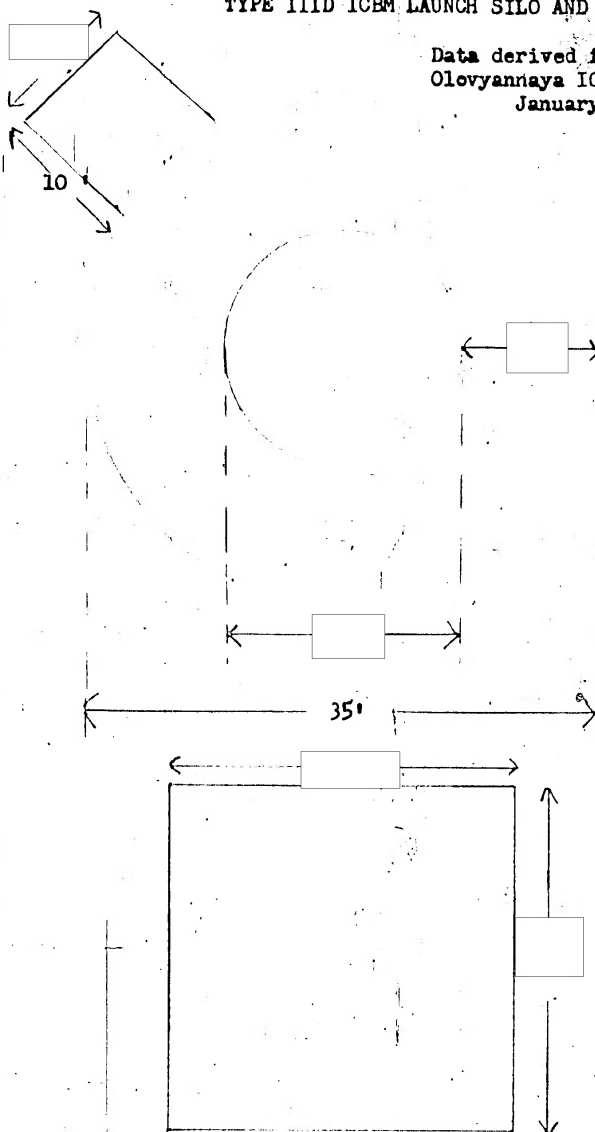
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## TYPE IIID ICBM LAUNCH SILO AND COVER

Data derived from KH-7 coverage of  
Olovyannaya ICBM Complex,  
January, 1965



Estimated vertical section of  
silo cover.

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